

**SCHEMATIC OF THE
HEATHKIT®
RADIO DIRECTION FINDER
MODEL MR-18**

NOTES:


1. COMPONENT PART NUMBERS ARE IN THE FOLLOWING GROUPS:
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|---------|-------------------------|
| 1-99 | ANTENNA SWITCHBOARD. |
| 100-199 | RF SWITCHBOARD. |
| 200-299 | OSCILLATOR SWITCHBOARD. |
| 300-399 | RECEIVER CIRCUIT BOARD |
| 400-499 | CHASSIS. |


2. ALL RESISTORS ARE 1/2 WATT UNLESS MARKED OTHERWISE.

3. CAPACITOR VALUES ARE IN μF UNLESS MARKED OTHERWISE.

4. BAND SWITCH WAFERS ARE IN BAND D POSITION AS VIEWED FROM THE KNOB END OF THE SWITCH SHAFT.

5. VOLTAGE MEASUREMENTS ARE MADE WITH THE SWITCHES AND CONTROLS IN THE FOLLOWING POSITIONS:
- | | |
|---------------|---------------------|
| SENSITIVITY - | FULLY CLOCKWISE. |
| VOLUME-OFF - | 1/4 TURN CLOCKWISE. |
| SENSE-DF - | DF POSITION. |
| AM-CW/SSB - | CW/SSB POSITION. |
| ANL-ON - | ON POSITION. |
| BAND - | BAND D POSITION. |
| TUNING - | ANY DIAL LOCATION. |

6.  THIS SYMBOL INDICATES THAT A PART IS MOUNTED ON THE CHASSIS EVEN THOUGH ITS POSITION ON THE SCHEMATIC SUGGESTS ANOTHER LOCATION.

7.  THIS SYMBOL INDICATES A POSITIVE DC VOLTAGE MEASUREMENT TAKEN WITH AN 11 MEGOHM INPUT VOLTMETER FROM THE POINT INDICATED TO CHASSIS GROUND. VOLTAGES MAY VARY $\pm 20\%$.

8.  THIS SYMBOL INDICATES AN RF VOLTAGE.

9.  THIS SYMBOL INDICATES A COMMON CIRCUIT BOARD FOIL.

10.  THIS SYMBOL INDICATES CHASSIS GROUND.

11.  THIS SYMBOL INDICATES CONNECTING POINTS TO THE CIRCUIT BOARD.

12.  THIS SYMBOL INDICATES A CIRCUIT BOARD CONNECTOR PIN.

13.  THIS SYMBOL INDICATES CLOCKWISE ROTATION OF CONTROLS AS VIEWED FROM THE KNOB END OF THE SHAFT.

14.  THIS SYMBOL INDICATES A SLIDE SWITCH.

15.  THIS SYMBOL INDICATES A ROCKER SWITCH.

16.  THIS SYMBOL INDICATES THE GROUND CONNECTIONS MADE BY THE CIRCUIT BOARD GUIDES.

17. THE DOT LOCATED ON THE ROTOR OF SOME SWITCHES INDICATES A TIE PIN WHICH CONNECTS A CONTACT ON ONE SIDE OF THE ROTOR TO CONTACTS ON THE OTHER SIDE OF THE SAME ROTOR.

